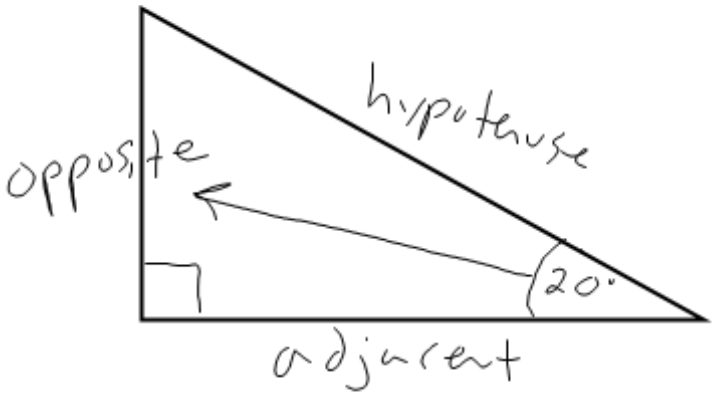


ratio

$\frac{opp}{hyp}$ $\frac{adj}{hyp}$ $\frac{opp}{adj}$

θ	$\frac{opp}{hyp}$ sine	$\frac{adj}{hyp}$ cosine	$\frac{opp}{adj}$ tangent	Just for fun
10°	.2018	.9743	.20744	
20°	.35	.93	.37	
30°	.48	.87	.56	
40°	.64	.75	.84	
50°	.77	.64	1.20	
60°	.86603	.503	1.78	
70°	0.94	0.34	$2.7\overline{5}$	
80°	.176	.9775	.1893	

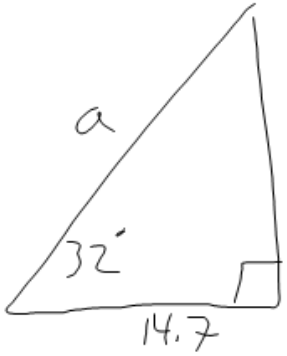
Sine $\frac{opp}{hyp}$

Cos $\frac{adj}{hyp}$

tan $\frac{opp}{adj}$

SOH CAH TOA

Try 6.3 #1 & 2



$\frac{\cos 32}{1} = \frac{14.7}{a}$

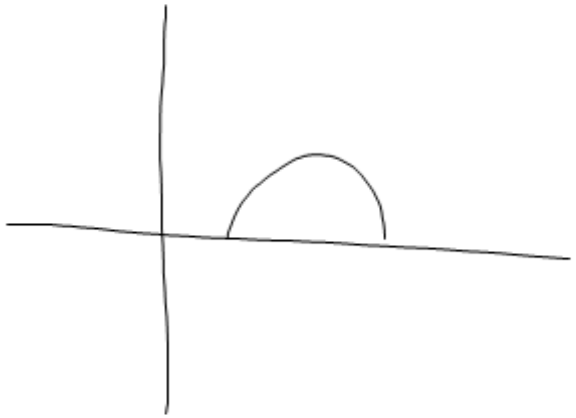
a

$\cos 32° = \frac{14.7}{a}$

$\frac{a \cos 32}{\cos 32} = \frac{14.7}{\cos 32}$

$x = t + 2$

$y = \sqrt{1 - t^2}$



$t_{min} = -10$

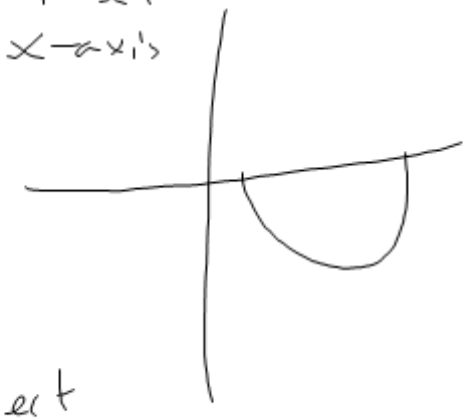
$t_{max} = 10$

$t_{step} = 0.1$

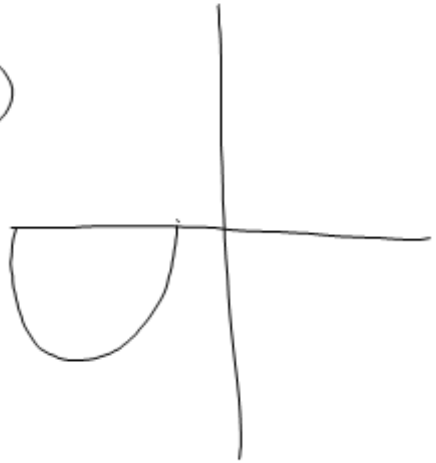
$x = t + 2$

$y = -\sqrt{1 - t^2}$

reflects x-axis



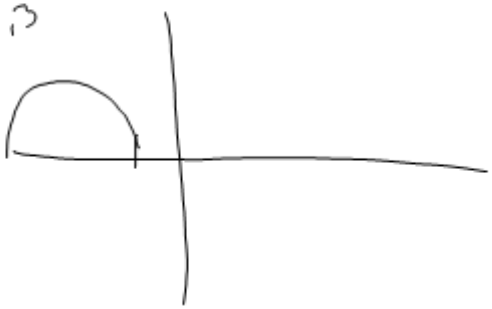
(c)



$x = -(t + 2)$

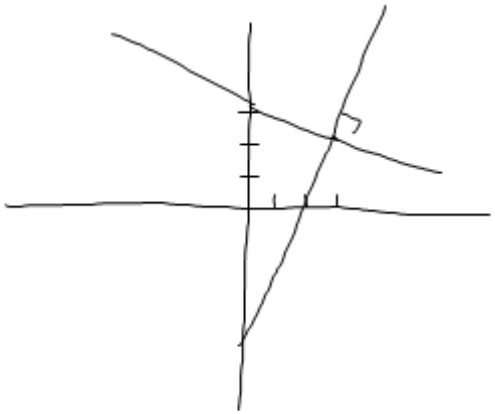
$y = \sqrt{1 - t^2}$

reflect y-axis



$X_1 = 2t \quad Y_1 = -1t + 3.5$

$X_2 = t + 2 \quad Y_2 = 2t$



$x = 2t + 3 \quad y = -1t + 2$

$x = t + 3 \quad y = 2t + 2$

$-\frac{1}{2} \quad \frac{2}{1}$

HW: Sect. 6.3 #1-5, 7